CONCEPT

CHILD SAFETY

solutions

coulisse

since 1992

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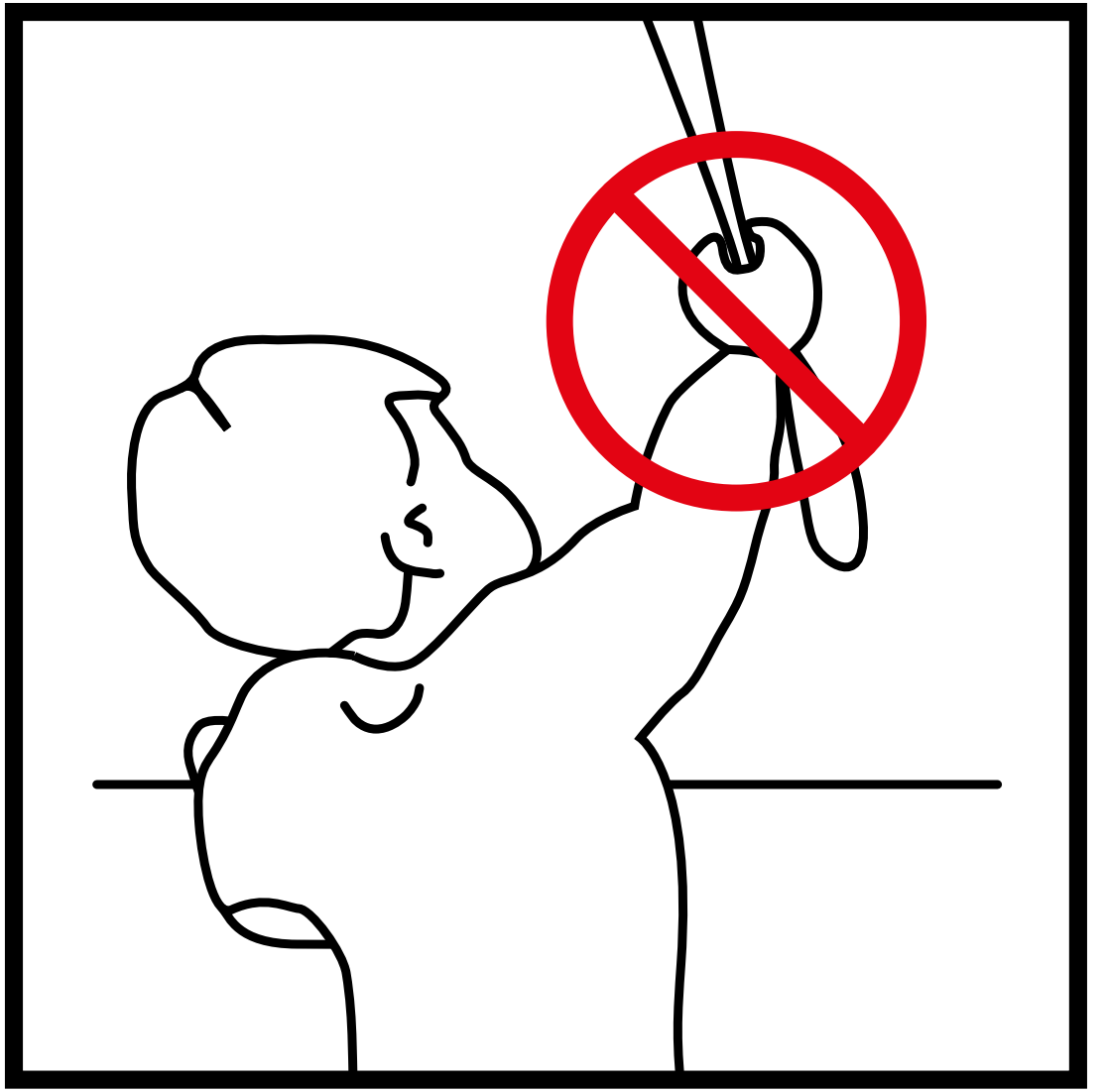
INTRODUCTION

safety first

According to the latest modification to the European standard EN 13120 all window coverings supplied as off September 2014 should be delivered safe for children. The purpose is to reduce the risk of entanglement and strangulation.

As a developer of blind systems, we consider it as part of our responsibility to inform you about the standard and its requirements, to help you understand it and to offer you solutions that can help you to apply it.

Our solutions include blind systems that are child safe by design, such as motorized blinds and systems with integrated child safety solutions, as well as devices that you can easily apply, even after the blind has been installed. Our child safety devices are universal and can be applied on virtually any blind system.



THE STANDARD

requirements

supplied child safe, whether children are present or not. To avoid dangerous situations it indicates a limitation on the length of operation cords and chains. Furthermore, hazardous loops are not allowed. As a supplier you need to inform and warn your customers about the risks for children in relation to the product. The standard specifies for the following fields of attention:

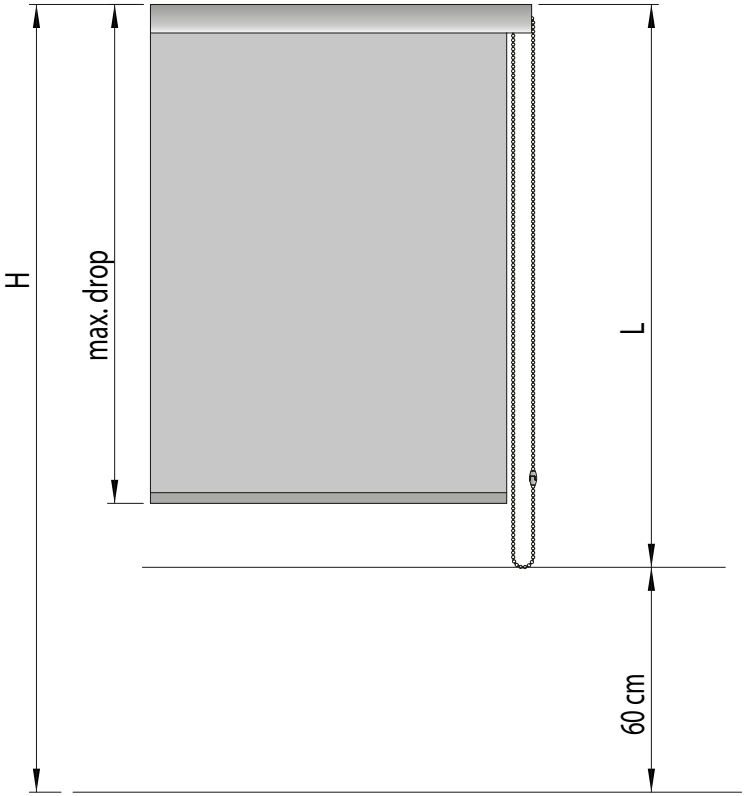
1. Blinds with looped operation
Required action: limit the length of the operation cord/chain (see page 8 on how to apply)

2. Blinds with (internal) pulling cords
Required action: use cord cleat and/or cord stopper (see page 12 for instructions)

3. Warnings & information
Required action: you need to warn your customers about the risks (see page 16 for instructions)

LOOPED CORDS & CHAINS

Installation with break-away device



Instructions - Installation height of the blind known?

- With break-away device: chain needs to be at least 60 cm above the ground
- Without break-away device: see page 10

Example

You are installing a blind with a drop of 180 cm with a break-away device at a height of 250 cm. The maximum length of the chain is 190 cm (250 - 60 = 190 cm).

Instructions - Installation height of the blind not known?

- With break-away device: cord/chain needs to be 2/3rd of the drop of the blind
- Without break-away device: see page 10

Example

You are installing a blind with a drop of 180 cm with a breakaway device.
The cord/chain can be no longer than 120 cm long (2/3 x 180 = 120 cm).

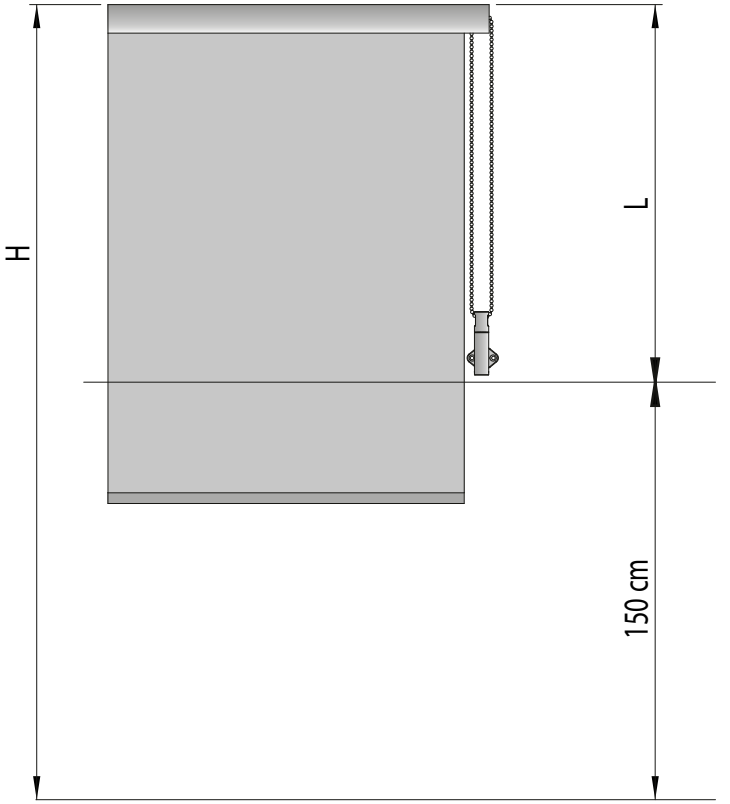
Solutions

	Art. Nr.	Description	Application	
	CSD11	Ball-chain break-away connector Ø 4.5 mm	Looped operating cords and ball-chains with a ball diameter of 4,5 mm	
	CSD12-TR	Ball-chain break-away connector Ø 3.2 mm	Looped operating cords and ball-chains with a ball diameter of 3,2 mm	

See full overview and specifications of Coulisse child safety devices on page 34.

LOOPED CORDS & CHAINS

with tensioning device



Instructions

Chain needs to be at minimum 150 cm above the floor and attached to the wall with a tensioning device or the loop should be smaller than 20 cm.

Example 1 - Installation height of the blind known?

You are installing a blind with an chain at a height of 200 cm.
The maximum length of the chain is 50 cm (200 - 150 = 50 cm).
The chain should be attached to the wall using a tensioning device.

Example 2 - Installation height of the blind not known?

In case you do not know the installation height, the maximum length of the chain is 100 cm.

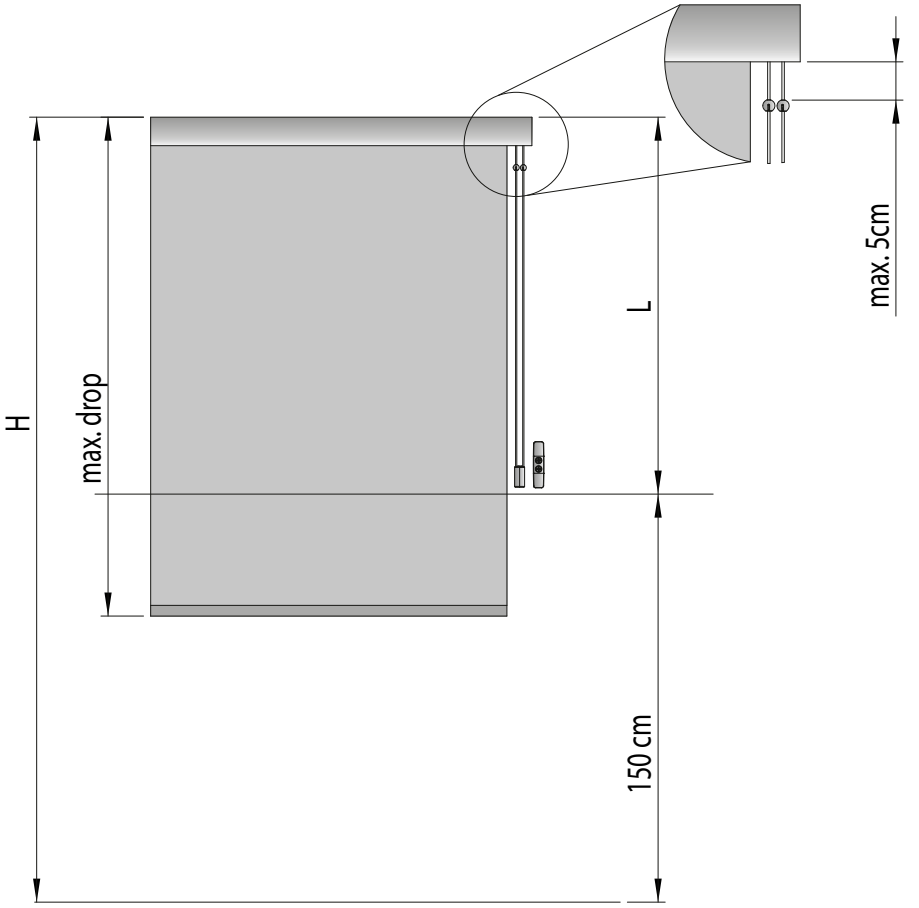
Solutions

	Art. Nr.	Description	Application	
	CSD04	Safety tensioner	Looped operating ball-chains	
	CSD06	Safety clip - plastic	Looped operating ball-chains	
	CSD07	Safety clip - alloy	Looped operating cords and ball-chains	

See full overview and specifications of Coulisse child safety devices on page 34.

PULLING & INNER CORDS

instructions



Installation height of the blind known?

Pulling cord needs to be at minimum 150 cm above the floor.

The maximum length of pulling cords has to be defined when the system is fully extended.

Storage of pulling cords

- Use a cord cleat to store pulling cords of retracted blinds
- Installation height cord cleat: 150 cm
- All cord needs to fit the cleat. If not, use a second cleat (test this when blind is fully retracted)

Cord weights and cord connectors

Two pulling cords:

- The separate cord weights must be non-tangling
- In case the cords tangle, the loop needs to break under a load of 6 kg

Two to four pulling cords:

- Connect the cords with a break-away device
- A single pulling cord may be attached to the break-away device

Five pulling cords or more:

- Use a break-away device or a fixed cord connector
- Install the fixed cord connector as close as possible to the head rail, yet no further than 50 mm, when blind is fully extended

Accessible inner cords (Venetian, pleated and roman blinds)

- Install a cord stopper on each pulling cord
- Position cord stopper as close as possible and no further than at max. 5 cm of the head rail, when blind is fully extended

PULLING & INNER CORDS

examples

Example 1 - installation height is known

You are installing a Venetian blind with three pulling cords at a height of 230 cm. The maximum length of the pulling cords, to be measured when the blind is completely extracted, is 80 cm (230 - 150 = 80 cm). Completely extend the blind and install a cord stopper on each cord at max. 5 cm from the cord lock. Use a break-away tassel as a cord weight. Mount a cord cleat at 150 cm above the floor.

Example 2 - installation height not known

You are installing a Venetian blind with two pulling cords. The maximum length of the pulling cords, to be measured when the blind is completely extended, is 100 cm. Completely extend the blind and install a cord stopper on each cord at max. 5 cm from the cord lock. Use two non-tangling tassels or a break-away tassel as a cord weight. Mount a cord cleat at 150 cm above the floor.

Solutions

	Art. Nr.	Description	Application	
	CSD02-TR	Cordconnector Roman	Innercords (roman)	
	CSD03-S	SafetyCordconnector	Pullingcords	
	CSD05	Cordcleat plastic	Storage of pullingcords	
	CSD09	Cordcleat alloy	Storage of pullingcords	
	CSD10	Cord cleat luxe	Storage of pullingcords	
	CSD13-TR	Cordstopper Medium	Pullingcords	
	CSD15-XX	Breakaway tassel	Pullingcords	

See full overview and specifications of Coulisse child safety devices on page 34.

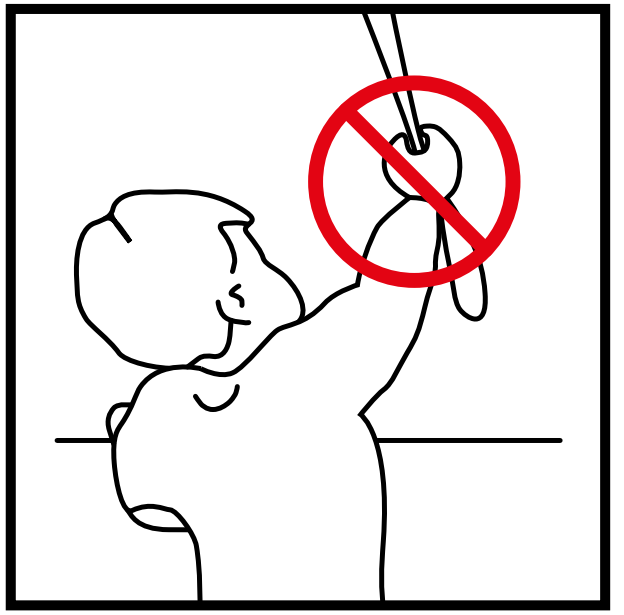
WARNINGS & INFORMATION

instructions

End-users should be informed about the possible risks of strangulation related to internal blinds.
The warning should be attached to the internal blind in the language of the country where the product is sold. The warning is also written in the installation and user manual. For future reference the name or trademark of the manufacturer or installer should be displayed on the internal blind.

The warning specifications:

- The height of the word WARNING must be 8 mm
- The height of the text must be 3 mm
- All information should be given in the national language(s) of the country of sale
- The child safety logo shall be used on the product warning tag
- The warning shall be repeated in the manual and the packaging



WARNING TEXT*

GB/IRL

- young children can strangle in the loop of pull cords, chains and tapes, and cords that operate window coverings.
- to avoid strangulation and entanglement, keep cords out of the reach of young children. cords may become wrapped around a child's neck.
- move beds, cots and furniture away from window covering cords.
- do not tie cords together. make sure cords do not twist together and form a loop.

* Warning text available at Coulisse

CHILD SAFETY SOLUTIONS

per blind system

Roller blinds	20
Panel blinds	22
Vertical blinds	24
Venetian blinds	26
Roman blinds	28
Pleated blinds	30
XL Pleated blinds	32

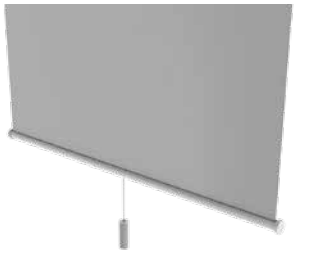
CHAIN

CSD04-... CSD07-... CSD06-... CSD11-...

The operating chain forms a loop. The loop is eliminated using a tension device or a ball chain break-away device.

ALTERNATIVE

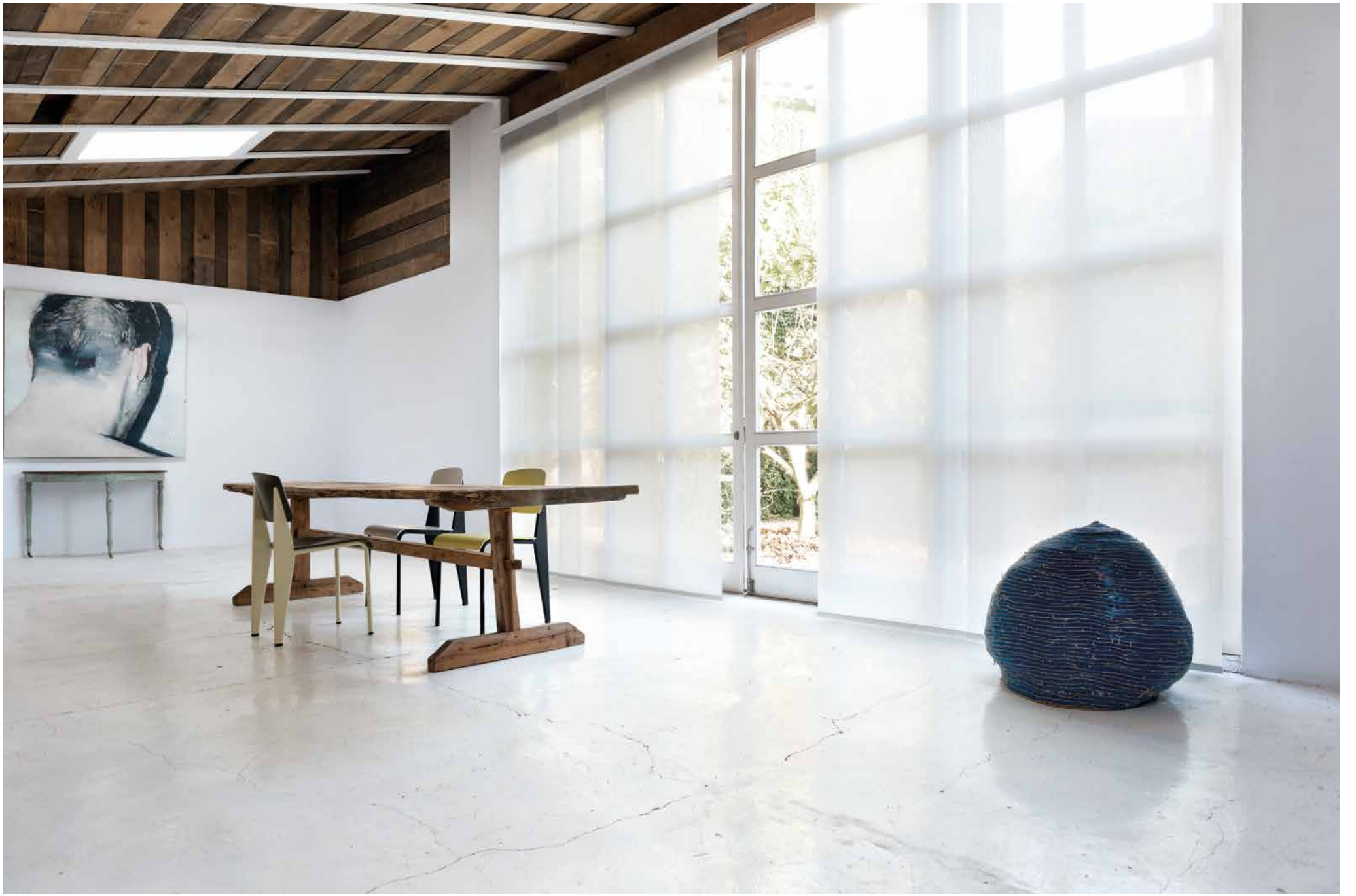
child safe systems



SPRING

CRANK

MOTORIZED BLIND



CORD

CSD04-... CSD07-... CSD06-...

The operating cord forms a loop. The loop is eliminated using a tensioning device.

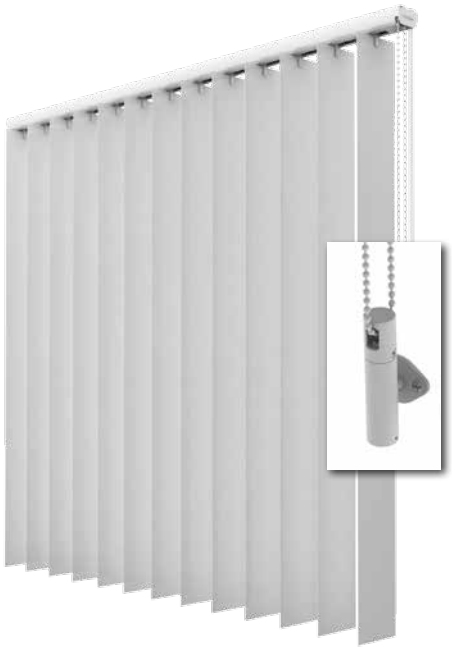
ALTERNATIVE

child safe systems

WAND

MOTORIZED BLIND

CORD & CHAIN

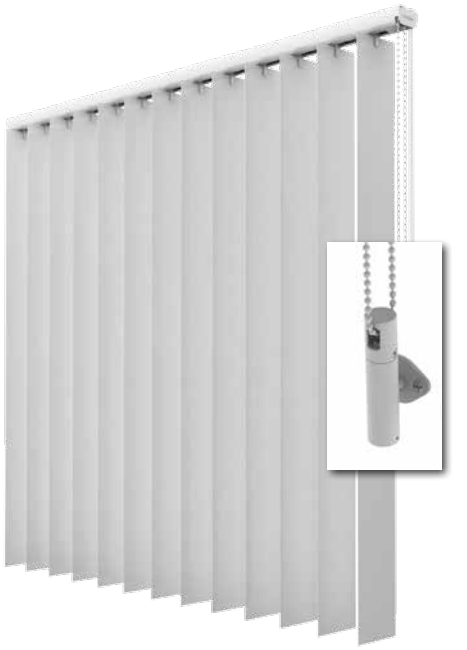


CSD04-... CSD07-... CSD06-...

String curtains can be made safe with VSC-CSD01.

The operating cord and chain form a loop. The loop is eliminated using a tensioning device.

CORD & CHAIN



CSD04-... CSD07-... CSD06-...

When a 1:1 tilter-mechanism is used, the chain can be cut in half. If the chain end is below 150 cm from the floor, a cord cleat must be installed. A tensioning device shall be used for the cord loop.

ALTERNATIVE

child safe systems

WAND

MOTORIZED BLIND

CHAIN

CSD04-... CSD07-... CSD06-...

The operating chain forms a loop. The loop is eliminated using a tensioning device.

PULLING & INNER CORDS

CSD09-... CSD05-...

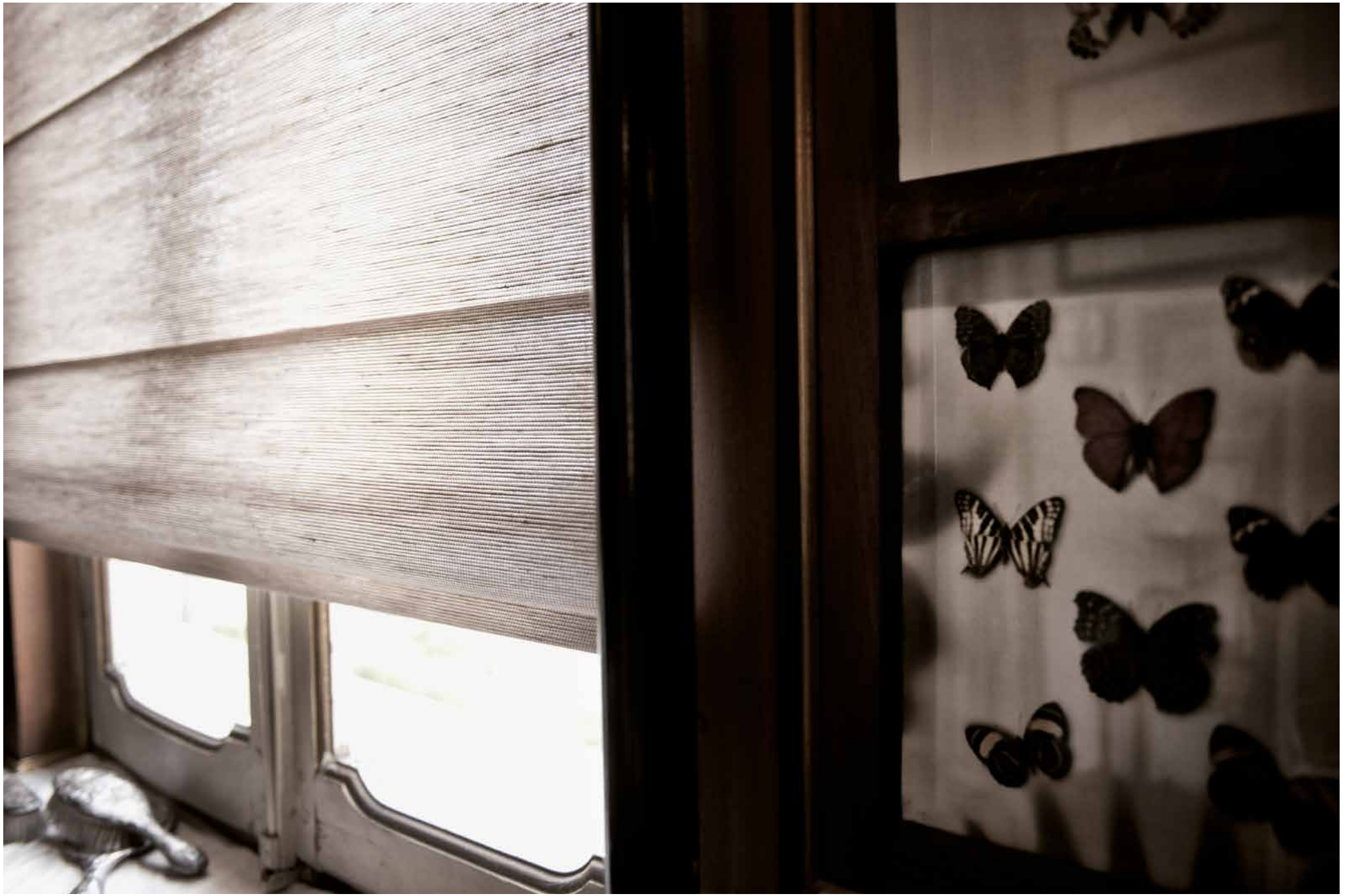
CSD13-... CSD10-... CSD03-... CSD15-...

A cord cleat and cord stoppers should be used for pulling cords. Depending on the amount of cords a suitable safety tassel or cord connector has to be used.

ALTERNATIVE

child safe systems

MOTORIZED BLIND



CHAIN & INNER CORDS

CSD04-... CSD07-... CSD06-... CSD02-... CSD11-...

The operating chain forms a loop. The loop is eliminated using a tensioning device or a ball chain break-away device. The inner cords have to be secured with a break-away device.

MOTORIZED & INNER CORDS

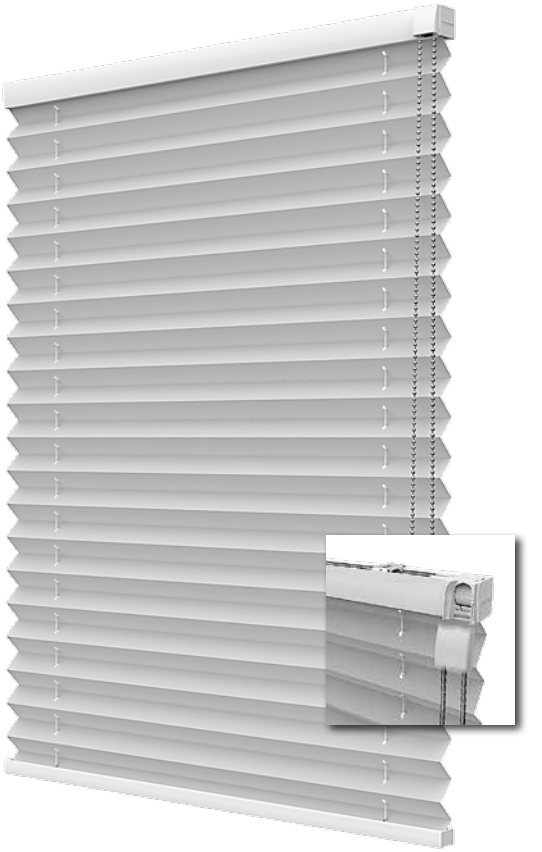
CSD02-...

The motorised roman blind offers additional comfort. The inner cords have to be secured with a break-away device.

TENSIONED

With tensioned systems the cords are tensioned so dangerous loops cannot be formed.

CHAIN



The chain mechanism has an integrated break-away that instantly releases under a load of 6 kg.

ALTERNATIVE

child safe systems

MOTORIZED BLIND

CHAIN

CSD04-... CSD07-... CSD06-...

The operating chain forms a loop. The loop is eliminated using a tensioning device.

CHAIN & INNER CORDS

CSD09-... CSD05-...

CSD13-... CSD10-... CSD03-... CSD15-...

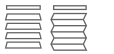
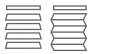
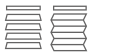
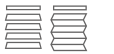
A cord cleat and cord stoppers has to be installed for pulling cords. Depending on the amount of cords a suitable safety tassel or cord connector has to be used.

ALTERNATIVES

child safe systems

MOTORIZED BLIND

	Art. Nr.		Description	Description	Application	
LOOPED OPERATION	CSD04		Safety tensioner	The CSD-04 is the luxury version of a safety clip with the look of a design cord weight. It is a tensioning device for operating ball-chains and cords that form a continuous loop. The tension on the cord is maintained with a spring, that provides more operating comfort and an easy installation of the device. The CSD-04 is provided with a chain clamp, that prevents proper operating of the blind when the device is not mounted to the wall (as required in US standards).	Looped operating cords and ball-chains	
	CSD06		Safety clip - plastic	The CSD-06 safety clip is a fixed tensioning device for operating ball-chains and cords that form a continuous loop. This device must be applied in cord and chain loops that do not have a break-away design. The safety clip prevents free-hanging loops in operating cords and chains. Install the safety clip at a the maximum distance possible from the control unit. This will prevent that the loop becomes slack.	Looped operating cords and ball-chains	
	CSD07		Safety clip - alloy	The CSD-07 safety clip is a fixed tensioning device for operating ball-chains and cords that form a continuous loop. This device must be applied in cord and chain loops that do not have a break-away design. The safety clip prevents free-hanging loops in operating cords and chains. Install the safety clip at a the maximum distance possible from the control mechanism. This will prevent that the loop becomes slack.	Looped operating cords and ball-chains	
	CSD11		Ball-chain break-away connector Ø 4.5 mm	The CSD-11 is a break-away for ballchains with a diameter of Ø 4,5 mm. The break-away device consist of two identical parts that make a break-away connection. This makes it suitable for any ball-chain that fits in the device. The patented design of the break-away connection is reliable in any position. Therefore only one device is required in a ball-chain to meet the standards.	Looped operating cords and ball-chains with a ball diameter of 4,5 mm	
	CSD12-TR		Ball-chain break-away connector Ø 3.2 mm	The CSD-12 is a break-away for ball-chains with a diameter of Ø 4 ,5 mm. The break-away device consist of two identical parts that make a break-away connection. This makes it suitable for any ball-chain that fits in the device. The patented design of the break-away connection is reliable in any position. Therefore only one device is required in a ball-chain to meet the standards.	Looped operating cords and ball-chains with a ball diameter of 3,2 mm	
PULLING & INNER CORDS	CSD02-TR		Cord-connector roman	The CSD-02 is a break-away device for inner cords in roman blinds. The holder is installed at the bottom of the curtain. The cord is attached to the holder with a pellet. When a certain force is exceeded, the pellet will be release from the holder. The holder can be mounted with yarn (manually) or tape (mechanically).	Inner cords	
	CSD03-S		Safety cord-connector	The CSD-03 is a cord-connector with a break-away functionality for pulling-cords. Up to 4 cords (Ø 1,7 mm) can be connected to a single pulling-cord. The connector will release the upper cords when the connector body is moved downwards. The CSD-03 is not suitable for use as a tassel.	Pulling cords	

	Art. Nr.		Description	Description	Application	
PULLING & INNER CORDS	CSD05		Cord cleat plastic	The CSD-05 cord-cleat must be applied in systems with pulling cords and is intended for the storage of cords when a system is (partially) retracted. Beside the use of cord cleats, the safety standards may require additional safety devices for systems with pulling-cords.	Storage of pullingc ords	
	CSD09		Cord cleat alloy	The CSD-09 cord-cleat must be applied in systems with pulling cords and is intended for the storage of cords when a system is (partially) retracted. Beside the use of cord cleats, the safety standards may require additional safety devices for systems with pulling-cords.	Storage of pulling cords	
	CSD10 + CSD10-ST		Cord cleat luxe	The CSD10 is a luxurious cordcleat that is composed of a wall bracket and a woodstick, creating a perfect match with wood venetians. A cordcleat must be applied in systems with pulling cords and is intended for the storage of cords when a system is (partially) retracted. Beside the use of cord cleats, the safety standards may required additional safety devices for systems with pulling-cords.	Storage of pullingcords	
	CSD13-TR		Cord-stopper medium	The CSD13 is a cordstopper for cords with a diameter of Ø0,8 - 1,4mm. The cordstopper can be easily installed in the cord. The cord runs through the center of the stopper, without creating a bend in the cord.	Pullingc ords	
	CSD15-XX		Break-away tassel	The CSD-15 is a break-away tassel for pulling-cords up to Ø 1.7 mm. It can hold up to six pulling-cords. The unique design increases the reliabilty, even when cords are crossed. The CSD-15 can also be used as a cord connector with a single pulling cord exiting at the bottom.	Pulling cords	
OTHER	VSC-CSD01		CS - string curtain safety plate	String curtains bring about a strangulation risk. Although the standard EN13120:2009+A1:201 does not include any restrictions regarding string curtains, Coulisse offers safety solution VSC-CSD01. This safety plate makes string curtains child safe. The VSC-CSD01 is attached in the opening of the slat hanger. When the strings are pulled down, the slat will release from the runner hook. Compatibility: the VSC-CSD01 is suitable for Coulisse VSC string curtains. The breaka-way force with the V03M3HLSR is weight below 5 kg. Compatibility and break-away force with other H-hook runners must be checked prior to installation. The device is not compatible with J-hook runners.	String curtains	

coulisse

ABOUT COULISSE

Since its establishment in 1992, Coulisse has grown into an international leading supplier of window coverings for both made-to-measure products and the DIY market. Our innovative strength is shown and expressed in inspiring collections and advanced system solutions. Our complete range offers customers endless possibilities to be distinctive in the market and to meet the ever-changing demands of end users.

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